

# Fabricated Pipe and Pipe Fitting Manufacturing: 2002

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## 2002 Economic Census

*Manufacturing*

Industry Series



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U.S. Department of Commerce  
Economics and Statistics Administration  
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-- Not applicable for this report.

**Table 1. Historical Statistics for the Industry: 2002 and Earlier Years**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	All estab- lish- ments <sup>3</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)					
332996, Fabricated pipe and pipe fitting manufacturing .....	2002..	727	782	25 941	871 029	20 059	39 168	581 635	2 078 081	1 745 050	3 842 966	248 374
2001 .....	N	N	N	31 751	1 041 393	24 600	50 465	691 596	2 514 655	2 218 898	4 716 275	116 912
2000 .....	N	N	N	32 009	1 012 752	24 638	50 365	661 593	2 471 103	2 171 276	4 621 619	122 617
1999 .....	N	N	N	30 416	953 968	23 243	47 218	618 354	2 288 260	2 005 780	4 281 482	111 155
1998 .....	N	N	N	30 096	931 846	23 310	48 662	614 536	2 180 545	2 025 526	4 205 266	147 541
1997 .....	806	859		29 746	879 723	22 565	46 037	573 134	2 104 979	2 038 910	4 118 699	146 922

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
<b>332996, Fabricated pipe and pipe fitting manufacturing</b>												
United States .....	2	782	313	25 941	871 029	20 059	39 168	581 635	2 078 081	1 745 050	3 842 966	248 374
Alabama .....	2	18	8	695	21 453	481	900	12 531	67 836	37 399	109 290	5 571
Arkansas .....	—	13	9	811	27 383	628	1 255	18 095	81 725	48 465	131 341	2 779
California .....	2	92	35	2 042	68 905	1 456	3 066	42 197	139 339	138 155	275 379	9 889
Florida .....	3	16	2	120	4 471	94	196	3 140	6 870	8 557	15 950	944
Georgia .....	1	21	6	600	17 956	518	1 008	13 478	41 323	58 322	99 667	5 674
Illinois .....	6	34	7	480	15 619	387	832	10 429	33 372	23 466	56 610	3 948
Indiana .....	—	28	12	830	27 852	666	937	19 727	62 283	34 032	104 517	4 341
Kansas .....	—	8	3	159	4 390	133	235	3 151	11 541	17 517	29 221	512
Louisiana .....	—	22	15	2 272	72 880	1 705	3 514	57 352	182 893	145 627	328 336	9 745
Massachusetts .....	2	8	2	108	4 785	67	112	2 552	7 676	2 915	10 657	532
Michigan .....	2	53	24	1 837	55 010	1 432	2 892	34 257	130 320	132 513	262 088	10 816
Minnesota .....	1	11	5	353	14 960	256	502	9 030	25 833	36 419	64 334	1 808
Missouri .....	1	14	3	243	9 876	194	406	7 018	17 558	22 052	38 648	1 391
New Jersey .....	1	21	9	587	24 203	381	830	14 284	53 725	34 706	88 016	2 277
New York .....	6	32	7	385	13 640	293	618	8 210	28 800	25 952	54 827	2 147
North Carolina .....	1	19	8	737	26 083	516	1 094	14 409	51 135	50 937	101 937	2 374
Ohio .....	1	44	20	1 555	50 993	1 173	2 292	31 512	93 855	83 849	179 052	6 731
Oklahoma .....	5	37	15	1 253	43 708	965	1 988	26 324	108 294	68 495	178 413	5 196
Oregon .....	3	11	5	371	13 640	296	642	9 805	27 190	22 174	49 439	1 941
Pennsylvania .....	—	34	16	1 282	52 369	962	1 918	33 657	125 988	64 093	191 972	3 351
South Carolina .....	—	10	3	670	25 563	495	875	17 705	40 355	47 946	89 533	8 976
South Dakota .....	—	3	2	111	3 824	91	200	2 736	7 795	10 037	17 708	315
Tennessee .....	1	13	6	484	15 134	405	784	10 057	42 711	40 473	83 127	1 008
Texas .....	2	97	52	5 459	171 985	4 476	8 097	122 654	499 924	439 981	941 005	139 361
Utah .....	1	10	3	183	7 238	151	309	5 551	13 190	13 742	28 473	1 199
Virginia .....	2	6	3	168	6 922	150	346	6 153	15 982	13 096	28 916	702
Washington .....	3	17	5	278	9 284	190	391	5 039	20 089	21 574	42 217	760
Wisconsin .....	4	23	9	933	32 444	731	1 496	21 095	78 154	58 987	136 918	5 071

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>332996, Fabricated pipe and pipe fitting manufacturing</b>	
Companies <sup>1</sup> .....	number.. 727
All establishments <sup>2</sup> .....	number.. 782
Establishments with 1 to 19 employees .....	number.. 469
Establishments with 20 to 99 employees .....	number.. 255
Establishments with 100 employees or more .....	number.. 58
All employees <sup>3</sup> .....	number.. 25 941
Total compensation .....	\$1,000.. 1 054 352
Annual payroll .....	\$1,000.. 871 029
Total fringe benefits .....	\$1,000.. 183 323
Production workers, average for year .....	number.. 20 059
Production workers on March 12 .....	number.. 20 116
Production workers on May 12 .....	number.. 20 289
Production workers on August 12 .....	number.. 20 273
Production workers on November 12 .....	number.. 19 491
Production worker hours .....	1,000.. 39 168
Production worker wages .....	\$1,000.. 581 635
Total cost of materials .....	\$1,000.. 1 745 050
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 1 515 973
Resales .....	\$1,000.. 92 663
Purchased fuels .....	\$1,000.. 12 268
Purchased electricity .....	\$1,000.. 32 397
Contract work .....	\$1,000.. 91 749
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 504 309
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. S
Total value of shipments .....	\$1,000.. 3 842 966
Primary products value of shipments .....	\$1,000.. 3 486 306
Secondary products value of shipments .....	\$1,000.. 134 460
Total miscellaneous receipts .....	\$1,000.. 222 200
Value of resales .....	\$1,000.. 114 800
Contract receipts .....	\$1,000.. 51 603
Other miscellaneous receipts .....	\$1,000.. 55 797
Primary products specialization ratio .....	percent.. 96
Value of primary products shipments made in all industries .....	\$1,000.. 3 637 146
Value of primary products shipments made in this industry .....	\$1,000.. 3 486 306
Value of primary products shipments made in other industries .....	\$1,000.. 150 840
Coverage ratio .....	percent.. 96
Value added .....	\$1,000.. 2 078 081
Total inventories, beginning of year .....	\$1,000.. 629 053
Finished goods inventories .....	\$1,000.. 215 499
Work-in-process inventories .....	\$1,000.. 128 087
Materials and supplies inventories .....	\$1,000.. 285 467
Total inventories, end of year .....	\$1,000.. 609 252
Finished goods inventories .....	\$1,000.. 213 143
Work-in-process inventories .....	\$1,000.. 110 608
Materials and supplies inventories .....	\$1,000.. 285 501
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. 1 234 201
Total capital expenditures (new and used) .....	\$1,000.. 248 374
Buildings and other structures (new and used) .....	\$1,000.. 46 473
Machinery and equipment (new and used) .....	\$1,000.. 201 901
Automobiles, trucks, etc., for highway use .....	\$1,000.. 6 754
Computers and peripheral data processing equipment .....	\$1,000.. 8 079
All other expenditures for machinery and equipment .....	\$1,000.. 187 068
Total retirements .....	\$1,000.. 155 988
Gross value of depreciable assets at end of year .....	\$1,000.. 1 326 587
Depreciation charges during year .....	\$1,000.. 123 144
Total rental payments .....	\$1,000.. 55 116
Buildings and other structures .....	\$1,000.. 30 199
Machinery and equipment .....	\$1,000.. 24 917
Total other expenses <sup>4</sup> .....	\$1,000.. 275 253
Response coverage ratio <sup>5</sup> .....	percent.. 89
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 25 785
Communications services <sup>4</sup> .....	\$1,000.. 7 260
Legal services <sup>4</sup> .....	\$1,000.. 4 661
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 3 317
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 4 461
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 2 722
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 2 487
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 11 531
Taxes and license fees <sup>4</sup> .....	\$1,000.. 13 503
All other expenses <sup>4</sup> .....	\$1,000.. 199 527

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
332996, Fabricated pipe and pipe fitting manufacturing											
All establishments .....	2	782	25 941	871 029	20 059	39 168	581 635	2 078 081	1 745 050	3 842 966	248 374
Establishments with—											
1 to 4 employees .....	9	243	542	17 759	441	841	11 700	40 422	34 279	74 645	3 618
5 to 9 employees .....	8	114	753	25 491	600	1 203	16 749	57 161	45 530	102 550	5 250
10 to 19 employees .....	4	112	1 521	50 077	1 202	2 344	32 918	108 557	83 728	191 753	9 614
20 to 49 employees .....	2	177	5 461	193 069	4 153	8 166	123 636	422 545	356 841	773 587	32 846
50 to 99 employees .....	2	78	5 383	184 803	4 157	8 638	120 455	435 067	329 740	776 775	20 987
100 to 249 employees .....	2	41	6 247	216 672	4 567	9 036	136 020	491 282	447 951	943 812	30 627
250 to 499 employees .....	—	14	h	D	D	D	D	D	D	D	D
500 to 999 employees .....	—	3	g	D	D	D	D	D	D	D	D
1,000 to 2,499 employees .....	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	304	1 075	36 038	883	1 751	23 559	80 971	70 014	150 984	7 453

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
332996	Fabricated pipe and pipe fitting manufacturing .....	782	25 941	871 029	20 059	39 168	581 635	2 078 081	1 745 050	3 842 966	248 374
3329960	Fabricated pipe and pipe fittings made from purchased pipe .....	766	25 497	857 367	19 690	38 380	571 703	2 044 459	1 737 907	3 798 794	244 647

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
332996	Fabricated pipe and pipe fitting manufacturing .....	2002.. N	X	X	3 637 146
	1997.. N	N	X	X	4 089 651
3329960	Fabricated pipe and pipe fittings made from purchased pipe .....	2002.. N	X	X	3 637 146
33299601	Fabricated iron and steel pipe and pipe fittings made from purchased pipe .....	1997.. N	X	X	N
	2002.. N	N	X	X	2 230 088
3329960101	Fabricated iron and steel pipe and pipe fittings made from purchased pipe .....	1997.. N	X	X	N
	2002.. 306	N	X	S	2 230 088
33299602	All other nonferrous fabricated pipe and pipe fittings made from purchased pipe .....	1997.. N	X	X	N
	2002.. N	N	X	X	424 277
3329960203	Fabricated aluminum and aluminum-base alloy pipe and pipe fittings made from purchased pipe .....	1997.. N	X	X	N
	2002.. 32	N	X	S	46 985
3329960205	Fabricated copper and copper-base alloy pipe and pipe fittings made from purchased pipe .....	1997.. N	X	X	N
	2002.. 20	N	X	X	38 257
3329960207	All other nonferrous fabricated pipe and pipe fittings made from purchased pipe .....	1997.. N	X	X	N
	2002.. 48	N	X	X	339 035
3329960Y	Fabricated pipes and pipe fitting manufacturing, nsk, total .....	1997.. N	X	X	N
	2002.. N	N	X	X	982 781
3329960YWW	Fabricated pipes and pipe fitting manufacturing, nsk, for nonadministrative-record establishments .....	1997.. N	X	X	N
	2002.. N	N	X	X	838 841
3329960YWY	Fabricated pipes and pipe fitting manufacturing, nsk, for administrative-record establishments .....	1997.. N	X	X	N
	2002.. N	N	X	X	143 940
	1997.. N	N	X	X	N

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.



Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
332996	Fabricated pipe and pipe fitting manufacturing		
00900001	Total materials .....2002..	X	1 515 973
	.....1997..	X	1 785 401
33291907	Metal fittings, flanges, and unions for piping systems (excluding forgings) .....2002..	X	160 421
	.....1997..	X	155 537
332000AC	Metal stampings .....2002..	X	4 013
	.....1997..	X	3 916
33200096	Other fabricated metal products (excluding forgings, metal stampings, metal fittings, flanges, and unions for piping systems) .....2002..	X	161 895
	.....1997..	X	N
33210000	Forgings .....2002..	X	41 464
	.....1997..	X	N
33151001	Iron and steel castings (rough and semifinished) .....2002..	X	61 683
	.....1997..	X	45 206
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished) .....2002..	X	1 481
	.....1997..	X	3 351
33152003	Other nonferrous metalcastings, rough and semifinished (excluding aluminum and aluminum-base alloy) .....2002..	X	2 356
	.....1997..	X	5 763
33120071	Steel bars and bar shapes (excluding castings, forgings, and fabricated metal products) .....2002..	X	40 157
	.....1997..	X	21 736
33120016	Steel sheet and strip (including tinplate) .....2002..	X	19 137
	.....1997..	X	N
33100082	Other nonferrous metal shapes and forms (excluding aluminum and aluminum-base alloy and copper and copper-base alloy castings, forgings, and fabricated metal products) .....2002..	X	4 038
	.....1997..	X	N
33120069	Steel structural shapes (excluding castings, forgings, and fabricated metal products) .....2002..	X	6 306
	.....1997..	X	D
33120021	Steel pipes (excluding castings, forgings, and fabricated metal products) .....2002..	X	319 605
	.....1997..	X	560 103
33120029	All other steel shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	55 825
	.....1997..	X	76 830
33142135	Copper and copper-base alloy pipe and tube (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	56 162
33142141	All other copper and copper-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	6 919
33131500	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing .....2002..	X	1 848
	.....1997..	X	N
33131601	Aluminum and aluminum-base alloy extruded shapes (extruded rod, bar, pipe, tube, etc.) .....2002..	S	6 826
	.....1997..	X	N
33100049	Other aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, sheet, plate, foil, welded tubing, extruded shapes, and fabricated metal products) .....2002..	X	399
	.....1997..	X	5 087
331000AA	Metal powders .....2002..	X	27
	.....1997..	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	X	5 809
	.....1997..	X	15 081
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	203 293
	.....1997..	X	500 421
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	390 682
	.....1997..	X	275 373

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.